



Electrical Panel Replacement for Dwellings ***2022 California Electrical Code***

1. New, altered or replaced panel boards (**sub panels**) and **service panels** will require the over-current protection devices (circuit breakers) to be replaced with AFCI circuit breakers for the branch circuits listed below.

- All 120 volt, 15 and 20 amp branch circuits supplying outlets (lighting and receptacles) installed in dwelling unit kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar rooms or areas. 2022 CEC 210.12

2. If sub panel is replaced and was previously located in the **garage/dwelling separation** wall, the new sub panel will need to be **surfaced mounted** with penetrations fire caulked (not foam).

3. All new services supplying dwelling units shall be provided with a **surge -protective device** (SPD) 2022 CEC 230.67

-Location. The SPD shall be an integral part of the service equipment or shall be located immediately adjacent thereto.

Exception: The SPD shall not be required to be located in the service equipment if located at each next level distribution equipment downstream toward the load.

4. An Intersystem bonding termination device shall be provided for all new main service panels. 2022 CEC 250.94

5. For a new main service panel the contractor will need to provide proof of connection to a grounding electrode. This is typically a ufer ground. If this can not be shown to the inspector a ground rod will need to be installed.

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